

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
SUNDRY NOTICES AND REPORT ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT" - for such proposals.

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

Attention:

Patty Haefele

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-4988

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

930' FSL & 480' FWL

Section 8

T28N

R12W

Unit M

5. Lease Designation and Serial No.

NMSF-078109

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Gallegos Canyon Unit 213E

9. API Well No.

3004526305

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Abandonment

☒ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Letter dated 7/18/96

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company requests permission to recomplete this well to the Fruitland Coal formation and to isolate the Dakota per the attached procedure.

Reference letter dated 7/18/96 and approved plug and abandonment sundry dated February 27, 1995.

RECEIVED  
OCT 20 1996  
OIL CONTROL  
DIST. 3

RECEIVED  
BLM  
96 SEP -9 PM 1:35  
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct

Signed Patty Haefele Title Staff Assistant Date 09/06/96

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

APPROVED

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States a false statement or representations as to any matter within its jurisdiction.

\* See Instructions on Reverse Side

DISTRICT MANAGER

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
811 South First, Artesia, NM 88210

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, NM 87505

1700 C-102  
Form C-102  
RECEIVED  
BLM

Revised October 18, 1994

Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

96 SEP -9 PM 1:35

070 FARMINGTON, NM AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 3004526305	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name Basin Fruitland Coal
<sup>4</sup> Property Code 000 570	<sup>5</sup> Property Name Gallegos Canyon Unit	<sup>6</sup> Well Number 213E
<sup>7</sup> OGRID No. 000778	<sup>8</sup> Operator Name Amoco Production Company	<sup>9</sup> Elevation 5654'

<sup>10</sup> Surface Location

UI or lot no. M	Section 8	Township 28N	Range 12W	Lot.Idn	Feet from the 930	North/South Line South	Feet from the 480	East/West Line West	County San Juan
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<sup>11</sup> Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
<sup>12</sup> Dedicated Acres 27.87	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order Number						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<sup>16</sup>				<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Patty Haeefe Signature Patty Haeefe Printed Name Staff Assistant Title 9/5/96 Date
				<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  2/8/85 Date of Survey Signature and Seal of Professional Surveyer:  On File Certificate Number 3950

# SJOET Well Work Procedure

GCU #213E

Version: Final  
Date: 8/3/96  
Budget: Major Cash/Recompletion  
Repair Type: Recompletion

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**Objectives: Stimulate Fruitland Coal**

1. Isolate Dakota
2. Stimulate Fruitland Coal
3. Test Coal
4. Put on Production.

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**Pertinent Information:**

Location:	8 - 28N - 12W SW	Horizon:	<sup>Basin</sup> Fruitland Coal
County:	San Juan	API #:	30-045-2630500
State:	New Mexico	Engr:	Yamasaki
Lease:	Federal <i>Umsf-078109</i>	Phone:	H--(303)202-0361
Well Flac:	846509		W-(303)830-5841
			P--(303)553-6437

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**Economic Information:**

APC WI:	55 %	FT Anticipated IP:	200 MCFD
Estimated Cost:	\$ 90,000		
Payout:	3 Years		
Max Cost -12 Mo. P.O.	\$		
PV15:	\$ M		
Max Cost PV15:	\$ M		

**Note:** Economics will be run on all projects that have a payout exceeding ONE year.

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**Formation Tops: (Estimated formation tops)**

Nacimiento:		Menefee:	
Ojo Alamo:		Point Lookout:	
Kirtland Shale:		Mancos Shale:	
Fruitland:	1034	Gallup:	5145
Pictured Cliffs:	1479	Graneros:	
Lewis Shale:		Dakota:	5915
Cliff House:	3234	Morrison:	

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**Bradenhead Test Information:**

Test Date:	Tubing:	Casing:	BH:	
Time	BH	CSG	INT	CSG
5 min				
10 min				
15 min				

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Comments:

GCU 213E

TD = 6270', PBTD = 6120'

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1. Check anchors. MIRUSU.
2. Check and record tubing, casing and bradenhead pressures.
3. Blow down wellhead, kill if necessary.
4. Nipple down wellhead, nipple up and pressure test BOP.
5. TOH with 2.375" tubing.
6. Set CIBP at 6000'. *5968' - 5918'*
7. Spot Cement plug to 5800' Note: New PBTD will be 5800'.
8. Load Hole with 2% KCL. RU Wireline Unit with Packoff.
9. Log with CBL/GR/CCL/CNL to insure zonal isolation across Fruitland and to correlate Fruitland. Pressure test casing to 2000#.
10. Perforate the following interval 120 deg. phasing using 3 1/8" HSC ported guns (12.5 GM, .34" EHD. 13.13 TTP, 4 SPF). Correlate with CNL log run above:  
Approximate shots: 1450-1470
11. Fracture Stimulate down casing with approximately 75 Mlbs, 70 Qal foam.
12. Shut in well for 2 hours. Flow back until well logs off.
13. Flow test well reporting Gas and Water to Denver
14. TIH with 2 3/8" land at bottom of perforations.
15. Flow well back a rod pump may be needed.
16. Put well on production and make money.